

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/908,867ADATE: 05/03/1999  
TIME: 17:36:56

INPUT SET: S31691.raw

This Raw Listing contains the General Information Section and up to the first 5 pages.
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## SEQUENCE LISTING

## (1) General Information:

(i) APPLICANT: YOUNG, Andrew A.  
GEDULIN, Bronislava  
BEELEY, Nigel Robert Arnold  
PRICKETT, Kathryn S.

(ii) TITLE OF INVENTION: METHODS FOR REGULATING  
GASTROINTESTINAL MOTILITY

(iii) NUMBER OF SEQUENCES: 37

## (iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: LYON & LYON  
(B) STREET: 633 WEST FIFTH STREET  
(C) CITY: LOS ANGELES  
(D) STATE: CALIFORNIA  
(E) COUNTRY: USA  
(F) ZIP: 90017

## (v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk  
(B) COMPUTER: IBM PC compatible  
(C) OPERATING SYSTEM: PC-DOS/MS-DOS  
(D) SOFTWARE: PatentIn Release #1.0, Version #1.25

## (vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: 08/908,867  
(B) FILING DATE: 08-AUGUST-1997  
(C) CLASSIFICATION: Pending

## (vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: 08/694,954  
(B) FILING DATE: 08-AUGUST-1996  
(C) CLASSIFICATION: Pending

## (viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: DUFT, BRADFORD J.  
(B) REGISTRATION NUMBER: 32,219  
(C) REFERENCE/DOCKET NUMBER: 227/166

## (ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: 619/552-2200  
(B) TELEFAX: 213/955-0440

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47 (C) TELEX: 67-3510

48

49

50 (2) INFORMATION FOR SEQ ID NO:1:

51

52 (i) SEQUENCE CHARACTERISTICS:

53 (A) LENGTH: 39 amino acids

54 (B) TYPE: amino acid

55 (C) STRANDEDNESS: single

56 (D) TOPOLOGY: linear

57

58 (ii) MOLECULE TYPE: peptide

59

60 (ix) FEATURE:

61 (B) LOCATION: 39

62 (D) OTHER INFORMATION: amidated Ser (Serineamide)

63

64 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

65

66 His Ser Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu

67 1 5 10 15

68 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser

69 20 25 30

70 Ser Gly Ala Pro Pro Pro Ser

71 35

72

73

74 (2) INFORMATION FOR SEQ ID NO:2:

75

76 (i) SEQUENCE CHARACTERISTICS:

77 (A) LENGTH: 39 amino acids

78 (B) TYPE: amino acid

79 (C) STRANDEDNESS: single

80 (D) TOPOLOGY: linear

81

82 (ii) MOLECULE TYPE: peptide

83

84 (ix) FEATURE:

85 (B) LOCATION: 39

86 (D) OTHER INFORMATION: amidated Ser (Serineamide)

87

88 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

89

90 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu

91 1 5 10 15

92 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser

93 20 25 30

94 Ser Gly Ala Pro Pro Pro Ser

95 35

96

97

98 (2) INFORMATION FOR SEQ ID NO:3:

99

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/908,867ADATE: 05/03/1999  
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100 (i) SEQUENCE CHARACTERISTICS:  
101 (A) LENGTH: 30 amino acids  
102 (B) TYPE: amino acid  
103 (C) STRANDEDNESS: single  
104 (D) TOPOLOGY: linear  
105  
106 (ii) MOLECULE TYPE: peptide  
107  
108 (ix) FEATURE:  
109 (B) LOCATION: 30  
110 (D) OTHER INFORMATION: amidated Arg (Arginineamide)  
111  
112 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:  
113  
114 His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly  
115 1 5 10 15  
116 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg  
117 20 25 30  
118  
119  
120 (2) INFORMATION FOR SEQ ID NO:4:  
121  
122 (i) SEQUENCE CHARACTERISTICS:  
123 (A) LENGTH: 31 amino acids  
124 (B) TYPE: amino acid  
125 (C) STRANDEDNESS: single  
126 (D) TOPOLOGY: linear  
127  
128 (ii) MOLECULE TYPE: peptide  
129  
130 (ix) FEATURE:  
131 (B) LOCATION: 31  
132 (D) OTHER INFORMATION: amidated Ser (Serineamide)  
133  
134 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:  
135  
136 Asp Leu Ser Lys Gly Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu  
137 1 5 10 15  
138 Trp Leu Lys Asn Gly Gly Pro Ser Ser Gly Ala Pro Pro Pro Ser  
139 20 25 30  
140  
141  
142 (2) INFORMATION FOR SEQ ID NO:5:  
143  
144 (i) SEQUENCE CHARACTERISTICS:  
145 (A) LENGTH: 39 amino acids  
146  
147 (B) TYPE: amino acid  
148 (C) STRANDEDNESS: single  
149 (D) TOPOLOGY: linear  
150  
151 (ii) MOLECULE TYPE: peptide  
152

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153 (ix) FEATURE:  
154 (B) LOCATION: 39  
155 (D) OTHER INFORMATION: amidated Ser (Serineamide)  
156  
157 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:  
158  
159 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu  
160 1 5 10 15  
161 Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn Gly Gly Pro Ser  
162 20 25 30  
163 Ser Gly Ala Pro Pro Pro Ser  
164 35  
165  
166 (2) INFORMATION FOR SEQ ID NO:6:  
167  
168 (i) SEQUENCE CHARACTERISTICS:  
169 (A) LENGTH: 39 amino acids  
170 (B) TYPE: amino acid  
171 (C) STRANDEDNESS: single  
172 (D) TOPOLOGY: linear  
173  
174 (ii) MOLECULE TYPE: peptide  
175  
176 (ix) FEATURE:  
177 (B) LOCATION: 39  
178 (D) OTHER INFORMATION: amidated Ser (Serineamide)  
179  
180 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:  
181  
182 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu  
183 1 5 10 15  
184 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser  
185 20 25 30  
186 Ser Gly Ala Pro Pro Pro Ser  
187 35  
188  
189  
190 (2) INFORMATION FOR SEQ ID NO:7:  
191  
192 (i) SEQUENCE CHARACTERISTICS:  
193 (A) LENGTH: 39 amino acids  
194 (B) TYPE: amino acid  
195  
196 (C) STRANDEDNESS: single  
197 (D) TOPOLOGY: linear  
198  
199 (ii) MOLECULE TYPE: peptide  
200  
201  
202  
203 (ix) FEATURE:  
204 (B) LOCATION: 39  
205 (D) OTHER INFORMATION: amidated Ser (Serineamide)

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/908,867ADATE: 05/03/1999  
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207

208 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

209

210 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu

211 1 5 10 15

212 Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn Gly Gly Pro Ser

213 20 25 30

214 Ser Gly Ala Pro Pro Pro Ser

215 35

216

217

218 (2) INFORMATION FOR SEQ ID NO:8:

219

220 (i) SEQUENCE CHARACTERISTICS:

221 (A) LENGTH: 39 amino acids

222 (B) TYPE: amino acid

223 (C) STRANDEDNESS: single

224 (D) TOPOLOGY: linear

225

226 (ii) MOLECULE TYPE: peptide

227

228 (ix) FEATURE:

229 (B) LOCATION: 39

230 (D) OTHER INFORMATION: amidated Ser (Serineamide)

231

232 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

233

234 Tyr Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu

235 1 5 10 15

236 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser

237 20 25 30

238 Ser Gly Ala Pro Pro Pro Ser

239 35

240

241

242 (2) INFORMATION FOR SEQ ID NO:9:

243

244 (i) SEQUENCE CHARACTERISTICS:

245 (A) LENGTH: 39 amino acids

246 (B) TYPE: amino acid

247

248 (C) STRANDEDNESS: single

249 (D) TOPOLOGY: linear

250

251 (ii) MOLECULE TYPE: peptide

252

253 (ix) FEATURE:

254 (B) LOCATION: 39

255 (D) OTHER INFORMATION: amidated Tyr (Tyrosinamide)

256

257 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

258

**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/08/908,867A**

DATE: 05/03/1999  
TIME: 17:36:58

*INPUT SET: S31691.raw*

Line	Error	Original Text
32	Wrong Classification	(C) CLASSIFICATION: Pending
37	Wrong Classification	(C) CLASSIFICATION: Pending